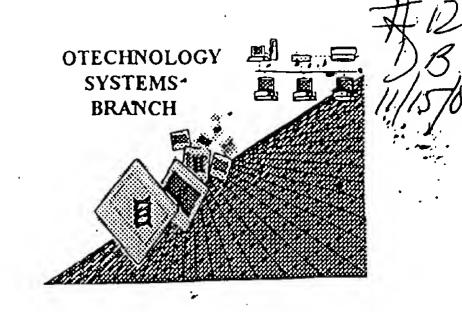
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: O9/727739ASource: OIPEDate Processed by STIC: O9/14/2001NOV 1 3 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 c-mail.help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 c-mail.help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

RECEIVED

NOV 1 3' 2001.

Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/12/139/
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFT
1 Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length.	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7supped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences. Sequence(s) 35 missing-If-Intentional, please-insert the following lines for each skipped sequence.
8 Skipped Sequences (NEW RULES)	<210> sequence id number
(<400> sequence id number
	000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n	in can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.
	AMC/MH - Biotechnology Systems Branch - 08/21/2001

DATE: 09/14/2001

TIME: 13:14:36

```
Input Set : A:\255.00040101.ST25.txt
                    Output Set: N:\CRF3\09142001\I727739A.raw
     3 <110> APPLICANT: Sheridan, Mark
             Kittilson, Jeffrey
                                                                     Does Not Comply
             Moore, Craig
                                                                  Corrected Diskette Needed
     7 <120> TITLE OF INVENTION: Somatostatins and Methods
     9 <130> FILE REFERENCE: 255.00040101
                                                                   Surpay 6 of 7A
    11 <140> CURRENT APPLICATION NUMBER: US 09/727,739A
C--> 12 <141> CURRENT FILING DATE: 2001-08-28
    14 <150> PRIOR APPLICATION NUMBER: US 60/168,934
    15 <151> PRIOR FILING DATE: 1999-12-03
    17 <160> NUMBER OF SEQ ID NOS: 52
    19 <170> SOFTWARE: PatentIn version 3.0
    21 <210> SEQ ID NO: 1
    22 <211> LENGTH: 14
    23 <212> TYPE: PRT
    24 <213> ORGANISM: Homo sapiens
    26 <400> SEQUENCE: 1
    28 Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
                        5
    29 1
                                            10
     31 <210> SEQ ID NO: 2
    32 <211> LENGTH: 14
     33 <212> TYPE: PRT
     34_<213>_ORGANISM:_Oncornynchus_mykiss
     36 <400> SEQUENCE: 2
    38 Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
     39 1
    41 <210> SEQ ID NO: 3
    42 <211> LENGTH: 114
    43 <212> TYPE: PRT
     44 <213> ORGANISM: Oncorhynchus mykiss
     46 <400> SEQUENCE: 3
    48 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
                                       10
    51 Leu Ala Ile Ser Ser Val Ser Ala Ala Pro Ser Asp Ala Lys Leu Arg
                                        25
                    20
     52 ·
    54 Gln Leu Leu Gln Arg Ser Leu Met Ala Pro Ala Gly Lys Gln Glu Leu
                            40
                35
     57 Ala Arg Asn Thr Leu Val Glu Leu Leu Ser Glu Leu Ala His Val Glu
                                55
                                                    60
    60 Asn Glu Ala Ile Glu Leu Asp Asp Met Ser His Gly Val Glu Gln Glu
                            70 ``
                                                75 . .
    61 65
    63 Asp Val Asp Leu Glu Leu Glu Arg Ala Pro Gly Pro Val Leu Ala Pro
                       85
                                            90
     66 Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr
```

105

110

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/727,739A

72 <210> SEQ ID NO: 4

73 <211> LENGTH: 26

67

69 Ser Cys

100

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/727,739A

DATE: 09/14/2001 TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt
Output Set: N:\CRF3\09142001\I727739A.raw

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74 <212> TYPE: PRT
75 <213> ORGANISM: Oncorhynchus mykiss
77 <400> SEQUENCE: 4
79 Ala Pro Gly Pro Val Leu Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys
                   5
80 1
82 Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
               20
83
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 88
87 <212> TYPE: PRT
88 <213> ORGANISM: Oncorhynchus mykiss
90 <400> SEQUENCE: 5
92 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
                                       10
93 1
95 Leu Ala Ile Ser Ser Val Ser Ala Ala Pro Ser Asp Ala Lys Leu Arg
               20
                                   25
98 Gln Leu Leu Gln Arg Ser Leu Met Ala Pro Ala Gly Lys Gln Glu Leu
           35
                               40
101 Ala Arg Asn Thr Leu Val Glu Leu Leu Ser Glu Leu Ala His Val Glu
                            55
                                                 60
104 Asn Glu Ala Ile Glu Leu Asp Asp Met Ser His Gly Val Glu Gln Glu
                        70
105 65
                                             75
                                                                 80
107 Asp Val Asp Leu Glu Leu Glu Arg
108
                    85
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 12
112 < 212> TYPE: PRT
113 <213> ORGANISM: Oncorhynchus mykiss
115 <400> SEQUENCE: 6
117 Ala Pro Gly Pro Val Leu Ala Pro Arg Glu Arg Lys
                                        10
118 1
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 24
122 <212> TYPE: PRT
123 <213> ORGANISM: Oncorhynchus mykiss
125 <400> SEQUENCE: 7
127 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
128 1
                                        10
130 Leu Ala Ile Ser Ser Val Ser Ala
131
                20
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 763
135 <212> TYPE: DNA
136 <213> ORGANISM: Oncorhynchus mykiss
138 <400> SEQUENCE: 8
139 ggggggggg gaacaggagc agcagaactc aaagagaagc caatctcaac gattgtctgc
                                                                           -60
141 ccaattgaac cacctttatc catcctctgc ctcccccgag acccagaaga agatgctctc
                                                                          120
143 gacgcgtgtc cagtgcgccc tagcactact ctccctagcc ctggccatca gcagcgtctc
                                                                          180
145 tgccgctccg tccgatgcca aactccgcca gctgctccaa cggtcactca tggcacctgc
                                                                          240
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RAW SEQUENCE LISTING DATE: 09/14/2001 PATENT APPLICATION: US/09/727,739A TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt
Output Set: N:\CRF3\09142001\I727739A.raw

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147 aggcaaacag gagcttgcca ggaatacact cgtagagcta ctctcagagc tcgcacatgt
                                                                         300
149 agagaacgag gcgattgaat tggatgacat gtctcatggc gtggagcagg aggatgtgga
                                                                         360
151 totogagotg gagogtgcac coggoccagt actggctcca cgtgaacgca aggotggatg
                                                                         420
153 caagaacttc ttctggaaga cctttacatc gtgttaatga atctactcct ttactgtgtg
                                                                         480
155 tactacatct catctctttt gtttcaatca ctcattgctg aatccaatgc accatggcct
                                                                         540
157 aaccetecte tteaaaaaat ttaaataaae aetgttataa etttaaeaat eattetgatg
                                                                         600
159 tttctatcgc tcacttagat ttttttccga aaaggaacac aagaaagaat gttctacaaa
                                                                         660
161 tgtatgcggt tctgctttga ctgtgattta tgtattttgg cagactattt ttaattgttt
                                                                         720
763
166 <210> SEQ ID NO: 9
167 <211> LENGTH: 115
168 <212> TYPE: PRT
169 <213> ORGANISM: Oncorhynchus mykiss
171 <400> SEQUENCE: 9
173 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
174 1
                                                            15
176 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
177
                20
                                   ` 25
179 Arg Ser Arg Arg Leu Leu Gln Arg Ala Arg Ala Ala Leu Pro His
180
                                40
182 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
183
        50
                            55
185 Cys Leu Arg Pro Arg Lys Val Lys Cys Pro Ala Gly Ala Lys Glu Asp
186 65
                        70
                                            75
188 Leu Arg Val Glu Leu Glu Arg Ser Val Gly Asn Pro Asn Asn Leu Pro
189
                    85
                                        90
<u> 191-Pro Arg-Glu-Arg-Lys-Ala-Gly-Cys-Lys-Asn-Phe-Tyr-Trp-Lys-Gly-Phe-</u>
192
                100
                                    105
                                                        110
194 Thr Ser Cys
195
            115
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 28
199 <212> TYPE: PRT
200 <213> ORGANISM: Oncorhynchus mykiss
202 <400> SEQUENCE: 10
204 Ser Val Gly Asn Pro Asn Asn Leu Pro Pro Arg Glu Arg Lys Ala Gly
205 1
                                        10
207 Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
208
210 <210> SEQ ID NO: 11
211 <211> LENGTH: 87
212 <212> TYPE: PRT
213 <213> ORGANISM: Oncorhynchus mykiss
215 <400> SEQUENCE: 11
217 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
218 1
                                                            15
220 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
221
                20
                                    25
223 Arg Ser Arg Arg Leu Leu Gln Arg Ala Arg Ala Ala Leu Pro His
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/727,739A

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Input Set : A:\255.00040101.ST25.txt
Output Set: N:\CRF3\09142001\I727739A.raw

```
224
                                                     45
            35
226 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
227
                            55
229 Cys Leu Arg Pro Arg Lys Val Lys Cys Pro Ala Gly Ala Lys Glu Asp
                        70
230 65
232 Leu Arg Val Glu Leu Glu Arg
233
                    85
235 <210> SEQ ID NO: 12
236 <211> LENGTH: 14
237 <212> TYPE: PRT
238 <213> ORGANISM: Oncorhynchus mykiss
240 <400> SEQUENCE: 12
242 Ser Val Gly Asn Pro Asn Asn Leu Pro Pro Arg Glu Arg Lys
243 1
                                        10
245 <210> SEQ ID NO: 13
246 <211> LENGTH: 25
247 <212> TYPE: PRT
248 <213> ORGANISM: Oncorhynchus mykiss
250 <400> SEQUENCE: 13
252 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
253 1
                    5
                                                             15
255 Leu Ala Ile Cys Ser Gln Gly Ala Ala
256
                20
                                    25
258 <210> SEQ ID NO: 14
259 <211> LENGTH: 623
260 <212> TYPE: DNA
261 <213> ORGANISM: Oncorhynchus mykiss
263 <400> SEQUENCE: 14
264 accaggectg etecataceg actgatecag ategageata geoeggteea geteageteg
                                                                           60
266 tctcaccgcg tgccatccct gcaaacaaaa cccagctctg ttggagatga aggtctgccg
                                                                          120
268 aatccactgt gccctggccc tgctgggttt ggccctggcc atttgcagcc aaggagccgc
                                                                          180
270 ctcgcagccc gacctggacc tccgcagccg cagactcctt cagagggctc gtgccgctgc
                                                                          240
272 attgccacac aggagtggag taagcgagcg gtggaggaca ttctatccca actgtccttg
                                                                          300
274 cctgaggccc aggaaagtga agtgtcaagc gggggctaaa gaggacctgc gtgtggagct
                                                                          360
276 ggagcgctca gtgggcaacc ccaacaacct tcccccccgt gagcgcaaag ccggctgcaa
                                                                          420
278 gaacttctac tggaagggct tcacttcctg ctgagggaag aataaaccga ccaccttatg
                                                                          480
280 acatgacgct gccaatcacg tcacaccgcc aacttacacc tgacgaatgc agccaatcaa
                                                                          540
282 cagttagctg tgcccgatga tggttcttga aatcaacaga atgatgtacc tgtctaattt
                                                                          600
284 gtgaaataaa tataaaataa ttg
                                                                          623
287 <210> SEQ ID NO: 15
288 <211> LENGTH: 111
289 <212> TYPE: PRT
290 <213> ORGANISM: Oncorhynchus mykiss
292 <400> SEQUENCE: 15
294 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
295 1
                                                             15
297 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
298
                20
                                    25
                                                         30
300 Ala Ser Arg Arg Leu Leu Gln Arg Ala Leu Ala Ala Leu Pro His
```

1)

DATE: 09/14/2001

TIME: 13:14:36

```
Input Set : A:\255.00040101.ST25.txt
                Output Set: N:\CRF3\09142001\I727739A.raw
                                                    45
                                40
            35
301
303 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
                            55
304
        50
306 Cys Leu Arg Trp Arg Pro Arg Lys Val Lys Gly Pro Gln Leu Lys Ala
                                            75
                        70
309 Lys Glu Asp Leu Glu Arg Ser Val Asp Asn Leu Pro Pro Arg Glu Arg
                                        90
                    85
310
312 Lys Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
                                    105
                100
313
315 <210> SEQ ID NO: 16
316 <211> LENGTH: 25
317 <212> TYPE: PRT
318 <213> ORGANISM: Oncorhynchus mykiss
320 <400> SEQUENCE: 16
322 Ser Val Asp Asn Leu Pro Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn
                                                            15
                                        10
                    5
323 1
325 Phe Tyr Trp Lys Gly Phe Thr Ser Cys
                                    25
                20
326
328 <210> SEQ ID NO: 17
329 <211> LENGTH: 86
330 <212> TYPE: PRT
331 <213> ORGANISM: Oncorhynchus mykiss
333 <400> SEQUENCE: 17
335 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
                                       10
                    5
336 1
338 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
341 Ala Ser Arg Arg Leu Leu Gln Arg Ala Leu Ala Ala Leu Pro His
                                                     45
             35
342
344 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
                             55
         50.
345
347 Cys Leu Arg Trp Arg Pro Arg Lys Val Lys Gly Pro Gln Leu Lys Ala
                                                                 80
                                             75
                         70
350 Lys Glu Asp Leu Glu Arg
 351
353 <210> SEQ ID NO: 18
354 <211> LENGTH: 11
355 <212> TYPE: PRT
356 <213> ORGANISM: Oncorhynchus mykiss
358 <400> SEQUENCE: 18
360 Ser Val Asp Asn Leu Pro Pro Arg Glu Arg Lys
                                         10,
       5
 361 1
 363 <210> SEQ ID NO: 19
 364 <211> LENGTH: 25
 365 <212> TYPE: PRT
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370 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/727,739A

368 <400> SEQUENCE: 19

371 1

366 <213> ORGANISM: Oncorhynchus mykiss

<210> 35 <211> 0 ><212> DNA <213> Skipped sequence

<400> 35 000

fields 210, 400, and the triple zero "000" designation on the only fields required sequence. when designating a skipped sequence.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/727,739A

DATE: 09/14/2001 TIME: 13:14:37

Input Set : A:\255.00040101.ST25.txt
Output Set: N:\CRF3\09142001\I727739A.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:419 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:431 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:443 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:485 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:572 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:584 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:599 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (35) SEQUENCE:
L:1029 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
L:1041 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
L:1053 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51